

State of Wisconsin
Department of Natural Resources
PO Box 7921
Madison WI 53707-7921

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DRINKING WATER & GW

High Capacity Dewatering Well Application

Form 3300-258 (R 11/02)

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Notice: Prior department approval is required for the construction, reconstruction or operation of a high capacity well or system of high capacity wells in accordance with Section NR 812.09(4)(a), Wisconsin Administrative Code. Personally identifiable information collected on this form, including such data as your name, address and phone number, will be used for management of department programs and is unlikely to be used for other purposes. This information will be addressable under Wisconsin's Open Records Laws, ss. 19.32 - 19.39, Wis. Stats.

Project Name and Description

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WIDOT #4337-11-71 City of Two Rivers 14th St. & Hawthorne Ave reconstruction

Dewatering System Property Owner

Name and Title		Company		
Scott Ahl P.E.		City of Two Rivers		
Street Address	City	State	ZIP Code	Contact Person
1717 East Park St.	Two Rivers	WI	54241	Scott Ahl
Telephone Number	Fax Number	E-Mail Address		
920-793-5539	920-793-5563	scoahl@two-rivers.org		

Dewatering System Operator

Name and Title		Company		
Sean McNamara Vice President		Kruczek Construction Inc.		
Street Address	City	State	ZIP Code	Contact Person
3636 Kewaunee Rd.	Green Bay	WI	54311	Sean McNamara
Telephone Number	Fax Number	E-Mail Address		
920-871-3823	920-863-2771	seanm@netnet.net		

Proposed Dewatering System Location

Quarter of the Quarter	Quarter or Government Lot Number	Section Number or French Long Lot Number		
NE, NW	NE 1/4 Sec 2 NW 1/4 & SW 1/4 sec 1	SCL 01 & Sec 2		
Township	Range	<input checked="" type="checkbox"/> City <input type="checkbox"/> Village <input type="checkbox"/> Civil Town	OF	County
T 19 N	R 24 <input checked="" type="checkbox"/> East <input type="checkbox"/> West	Two Rivers		Manitowoc

Street or Grid Address (fire number)

14th St. - Hawthorne Ave to Madison St.

Dewatering System Operation

Name of Nearest Public Utility Well	Proposed Total Average Pumpage per Day	Proposed Total Maximum Pumpage per Day	
NONE City uses Lake water	720,000 Gallons	1.5 million gallons	
Distance from Public Utility Well	Discharge Location Description (e.g. storm sewer, drainage swale, settling basin, etc.)		
N/A <input type="checkbox"/> Feet <input type="checkbox"/> Miles	14th St. storm sewer - settling basin		
Direction (e.g. WNW) to Public Utility Well	Total Number of Dewatering Wells/Points in Project		
N/A	200 Points		
Proposed Pump (Dewatering System) Capacity	Number of Wells/Points in Use at Any Given Time		
500 gallons per minute	100 Points		
Dewatering Project Start Date (MM/DD/YYYY)	Dewatering Project Completion Date (MM/DD/YYYY)		
April 28th 2014	June 6th 2014		
Proposed Aquifer Formation	At a Depth of:	Static Water Level	Proposed Dewatering Water Level
Sand	0-25 ft.	8 feet	19 feet

Well Construction

Total well depth (feet)	Borehole diameter (inches)	Drilling method (e.g. rotary, jetting, percussion, etc.)	
25 feet	2 inches	Jetting	
Geologic formations to be penetrated by well (e.g. sand, gravel, clay, sandstone, limestone, etc.)			
Sand			
Casing depth (feet)	Well casing wall thickness (in.)	Casing material (e.g. steel, schedule 40 PVC)	Casing diameter (inches)
25 feet	1/8 inch	Schedule 40 PVC	2 inches

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Well Construction (continued)

Method of connecting well casing segments <input type="checkbox"/> weld <input checked="" type="checkbox"/> solvent weld <input type="checkbox"/> threaded/mechanical		Height of well casing termination above local ground elevation (in) 12 inches
Well screen material (e.g. wire wound steel, slotted PVC) slotted PVC	Well screen length (ft) 5 feet	Well screen diameter (in) 2 inches
Method of attaching screen to well casing or placing screen All one pipe/slotted PVC	Type of well screen <input type="checkbox"/> wire wound <input checked="" type="checkbox"/> slotted pipe	Engineered gravel pack around screen <input type="checkbox"/> yes <input checked="" type="checkbox"/> no
Annular space seal material (e.g. bentonite, cement, native material) Native material	Method of placing annular seal (e.g. tremie pipe) Hand shovel	

Pump Installation

Pump type (e.g. submersible, vacuum) vacuum	Individual pump capacity (gpm) 500 gpm	Well seal type and design rubber ferro	Check valve location at header pipe
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Well Abandonment

Well abandonment method (e.g. fill with bentonite, collapsing formation, etc.)
 collapsing formation - shovel native material into annular space

Enclosures

- ☒ Plat map (project location marked)
- ☒ Engineering plan map of project (do not submit complete set of plans)
- ☒ Contamination sites (BRRTS information) with well locations and discharge location
 (www.dnr.state.wi.us/org/aw/rrr/brrts/index.htm)
- ☒ Well construction diagram with dimensions
- ☐ Drawing of manifold design if multiple wells are connected together
- ☒ Discharge drawing
- ☐ If WPDES permit already issued, attach copy

Variance Request Signature

Are you requesting a variance for the proposed well(s) to have less than 25 feet of casing or for a variance to any part of ch. NR 812, Wis. Adm. Code? If yes, property owner signature required.

Property Owner Signature	Date Signed
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Applicant

Name: Last McNamara	First Sean	MI m	Signature
Street Address 3636 Keweenaw Rd.	City Green Bay	State WI	ZIP Code 54311
Company Name Kruczek Construction Inc.	(Area Code) Telephone Number 920-371-3823	Date (mm/dd/yyyy) 4/4/14	
E-Mail Address seanm@netnet.net			

Department Use Only

Receipt Date (mm/dd/yyyy)	Response Date (mm/dd/yyyy)
Review Engineer	Authorized Signature
Calculated Public Utility Well Drawdown Value or No Expected Impact Judgement	Action: Conditions of approval are attached if approved.
Feet <input type="checkbox"/> No Expected Significant Impact	<input type="checkbox"/> Approved <input type="checkbox"/> Denied



Header pipe
500' at a time
w/ 100 points